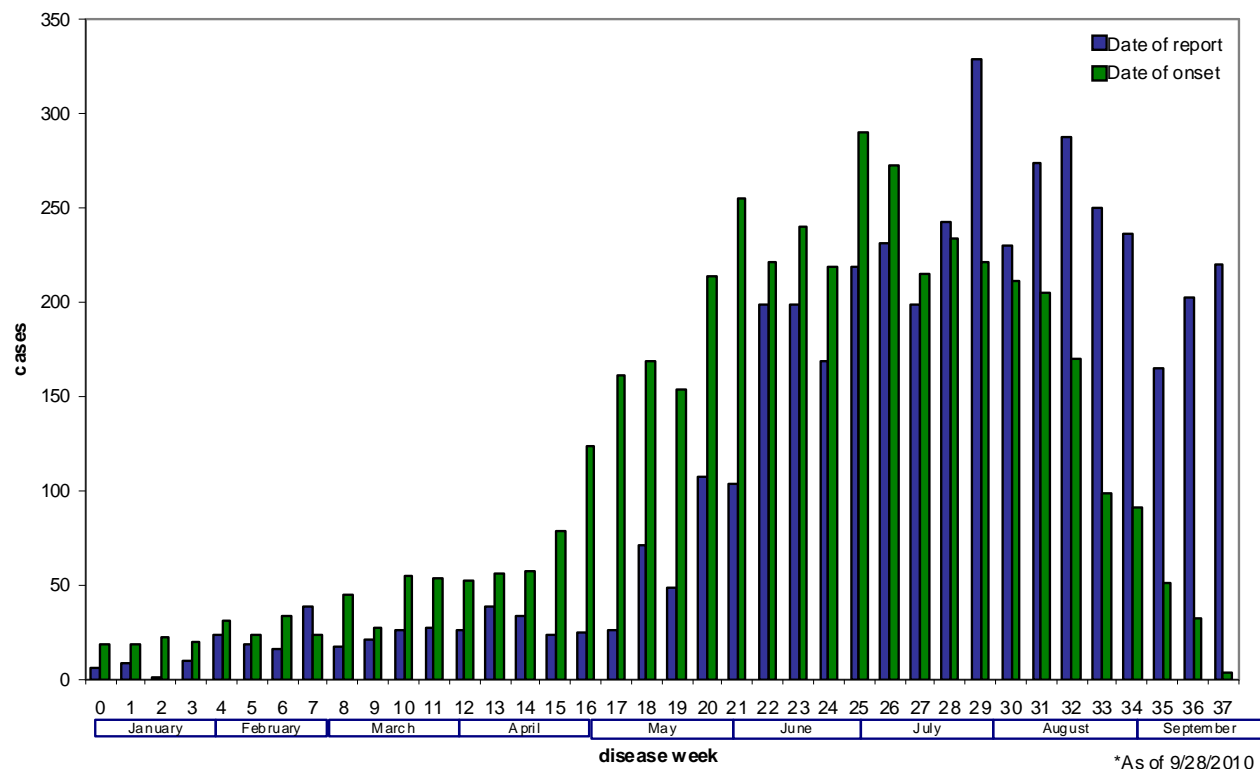


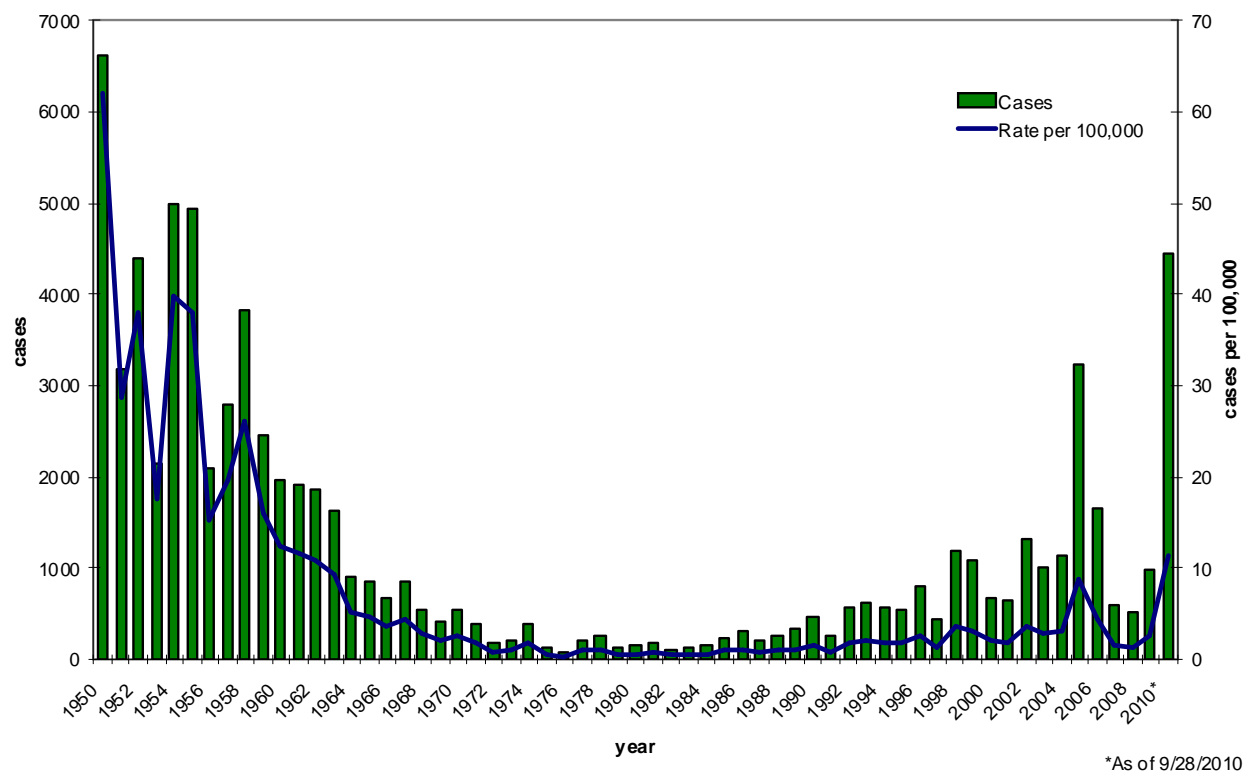
Pertussis Report  
9/28/2010

- As of 9/28/2010, there have been **4,461** confirmed, probable and suspect cases of pertussis reported in 2010 for a state rate of **11.4 cases/100,000**.
  - 4,447 of reported cases had disease onset in 2010.
  - 238 new cases have been reported this week, compared to 206 in the prior week (Figure 1)
  - Case Classification:
    - Confirmed: ~63%
    - Probable: ~19%
    - Suspect: ~18%
- This is the most cases reported in 55 years when 4,949 cases were reported in 1955 and the highest incidence in 48 years when a rate of 11.7 cases/100,000 was reported in 1961. Previously, the peak was in 2005 when there were 3,182 cases reported (Figure 2).
- Of the 46% of cases with known hospitalization information - 217 (11%) cases have been hospitalized
  - 128 (59%) of hospitalized cases were infants <3 months of age and 160 (74%) were infants <6 months of age.
  - 124 (78%) of the hospitalized infants <6 months of age with known race and ethnicity were Hispanic.
- Nine deaths have been reported; 8 (89%) were Hispanic infants. Eight fatalities were infants <2 months of age at time of disease onset and had not received any doses of pertussis-containing vaccine and the remainder was an ex-28 week preemie that was 2 months of age and had received the first dose of DTaP only 15 days prior to disease onset. The majority of infant cases in 2010 have occurred in infants <3 months of age (Figure 3).
- Rates are highest in infants <6 months of age (205 cases/100,000), in children aged 7-9 years (35 cases/100,000) and adolescents aged 10-18 years (27 cases/100,000) (Figure 4). The majority of adolescent cases are in 10-11 year-olds.
- Overall rates by race/ethnicity are highest in whites (10.9/100,000), however age-specific rates indicate that the highest rates are seen in Hispanic infants <6 months of age (248.8/100,000) ( Figures 3 and 4).
- The median case rate by county is 10.5 cases per 100,000 (range 0-134) (Figure 5 and Table 1).

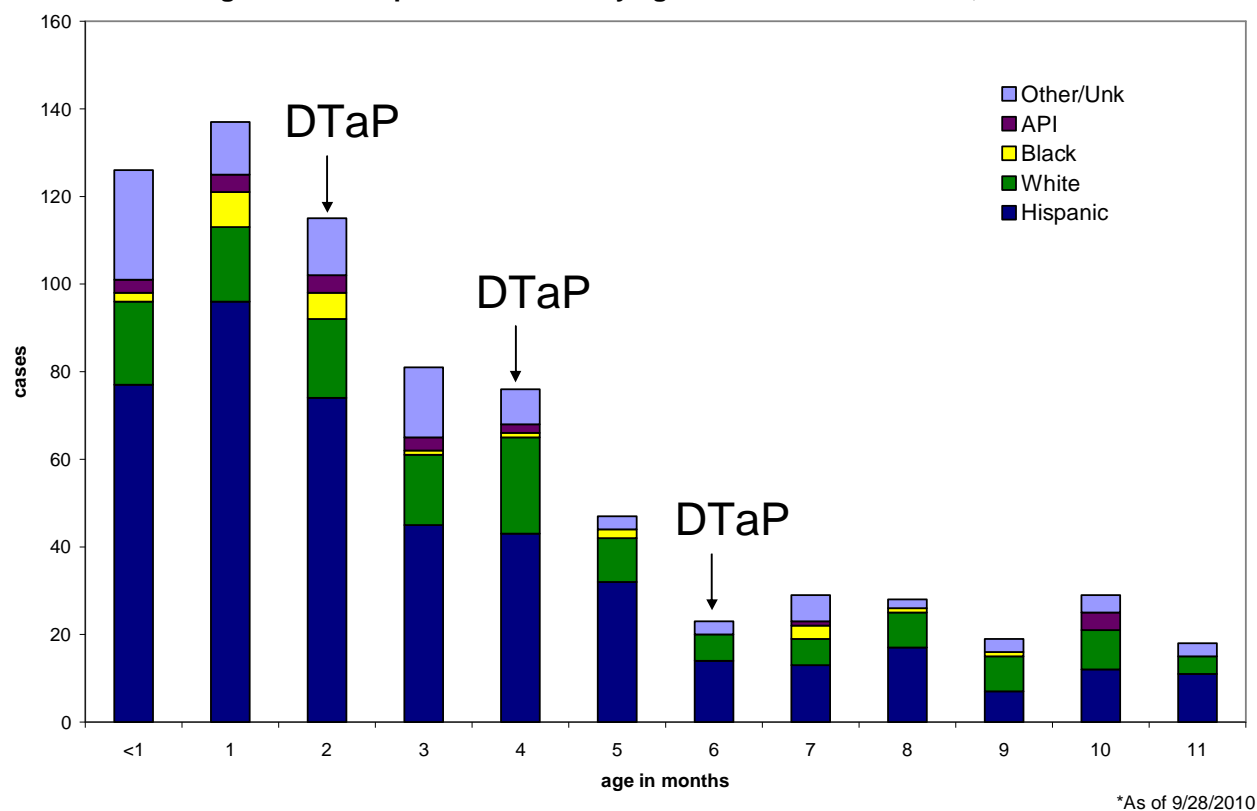
**Figure 1. Epidemic curve of pertussis cases\* by week of report and week of onset -- California, January 1 through September 28, 2010**



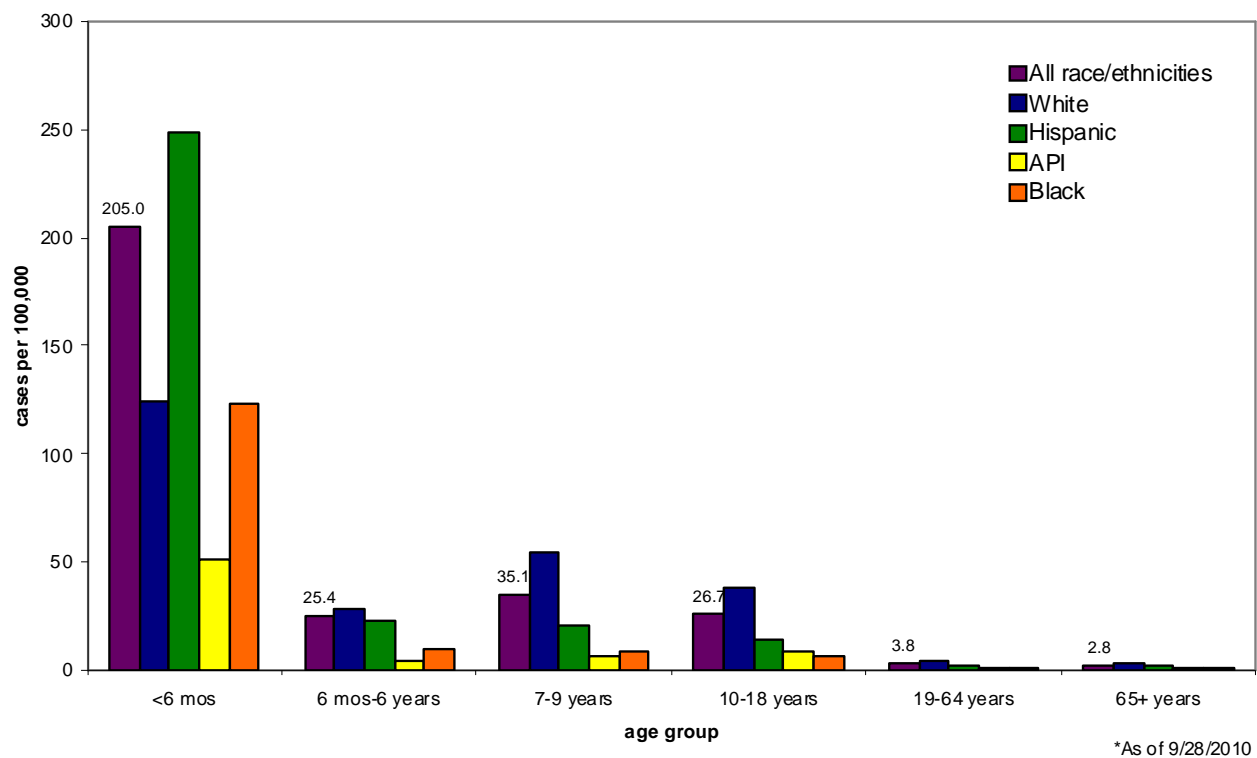
**Figure 2. Number of reported pertussis cases by year of onset -- California 1950-2010\***



**Figure 3. Infant pertussis cases by age in months -- California, 2010\***



**Figure 4. Incidence of pertussis cases by race/ethnicity and age – California, 2010\***



**Figure 5. Pertussis rates by county – California, January 1 – September 28, 2010**

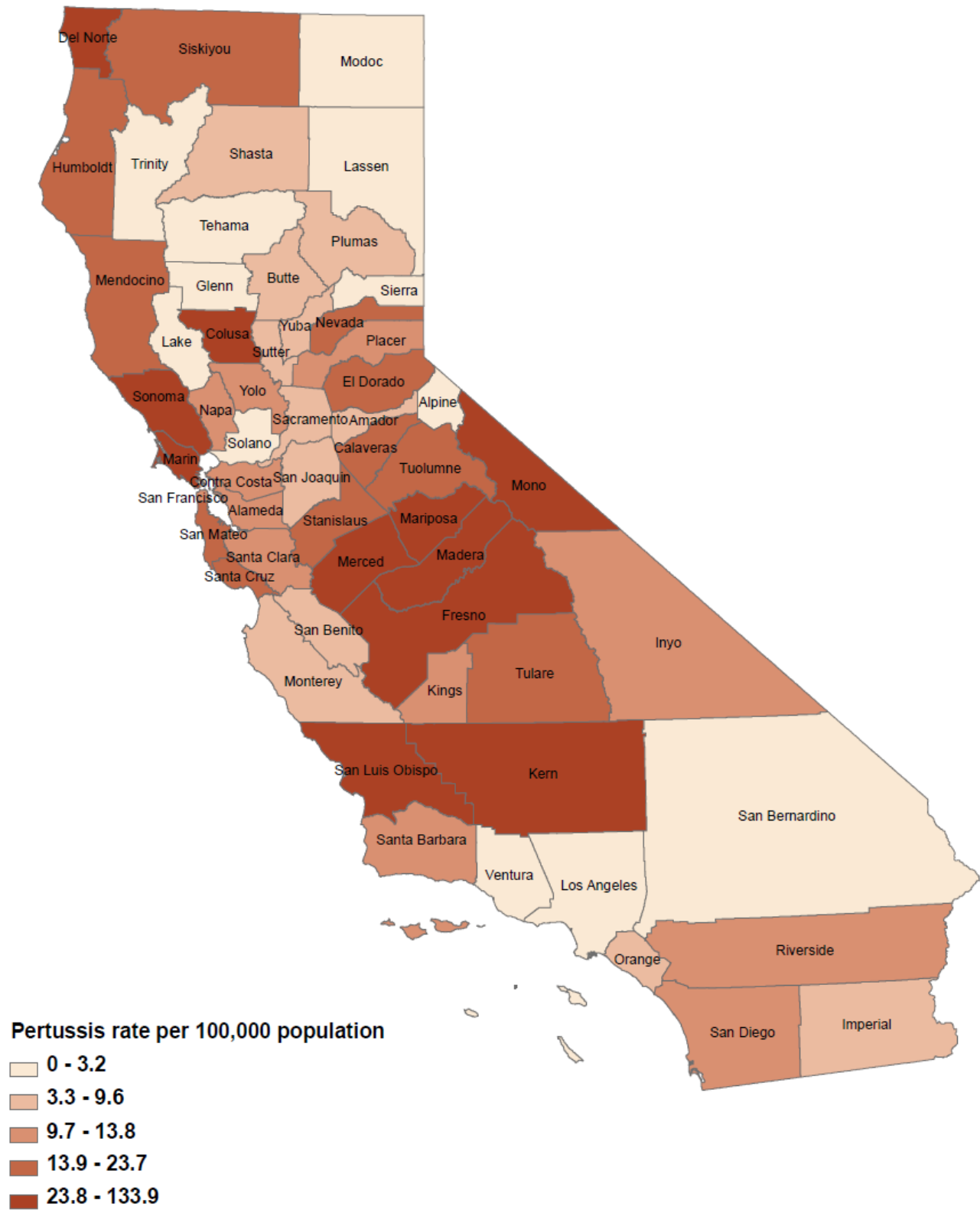


Table 1. Pertussis cases reported to CDPH from January 1 through September 28 by local health jurisdiction -- California, 2010

	2010	
	Cases	Rate
<b>CALIFORNIA</b>	<b>4461</b>	<b>11.40</b>
ALAMEDA	203	14.16
City of Berkeley*	9	8.40
ALPINE	0	0.00
AMADOR	3	7.53
BUTTE	17	7.49
CALAVERAS	7	14.83
COLUSA	9	38.62
CONTRA COSTA	118	11.08
DEL NORTE	16	52.23
EL DORADO	40	21.47
FRESNO	374	38.77
GLENN	0	0.00
HUMBOLDT	28	20.89
IMPERIAL	8	4.33
INYO	2	10.48
KERN	267	31.29
KINGS	21	13.04
LAKE	2	3.00
LASSEN	0	0.00
LOS ANGELES	112	1.14
City of Long Beach*	48	9.74
City of Pasadena*	11	7.32
MADERA	105	66.35
MARIN	300	118.34
MARIPOSA	10	52.81
MENDOCINO	22	23.79
MERCED	91	33.99
MODOC	0	0.00
MONO	5	34.27
MONTEREY	19	4.41
NAPA	18	12.78
NEVADA	15	14.73
ORANGE	309	9.69
PLACER	45	13.21
PLUMAS	2	9.20
RIVERSIDE	213	9.78
SACRAMENTO	85	5.91
SAN BENITO	3	4.80
SAN BERNARDINO	49	2.29
SAN DIEGO	440	13.88
SAN FRANCISCO	81	9.95
SAN JOAQUIN	53	7.32
SAN LUIS OBISPO	359	133.98
SAN MATEO	108	14.71
SANTA BARBARA	47	10.91
SANTA CLARA	236	12.94
SANTA CRUZ	58	21.74
SHASTA	14	7.40
SIERRA	0	0.00
SISKIYOU	7	14.94
SOLANO	14	3.21
SONOMA	203	41.31
STANISLAUS	106	19.29
SUTTER	4	4.00
TEHAMA	1	1.55
TRINITY	0	0.00
TULARE	91	19.93
TUOLUMNE	9	15.40
VENTURA	20	2.36
YOLO	20	9.87
YUBA	4	5.10

\*City health jurisdictions not included in county total